

Fig. 1

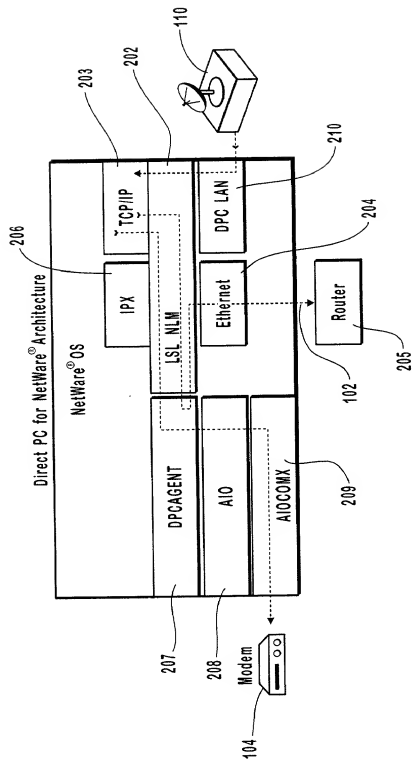


Fig. 2

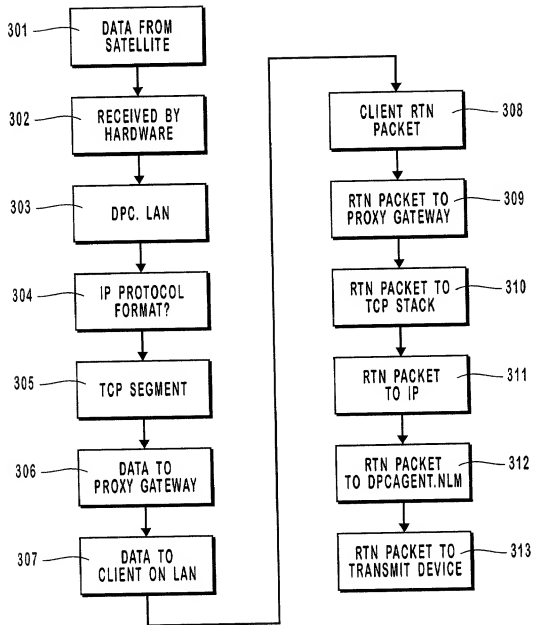


Fig. 3

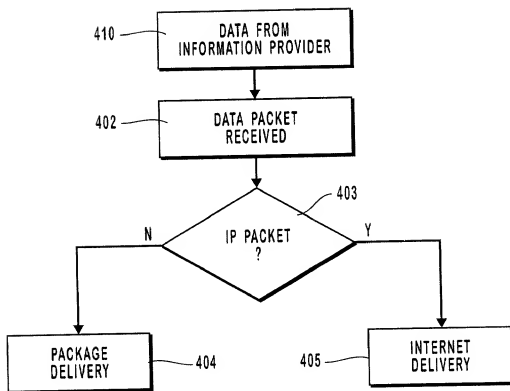


Fig. 4

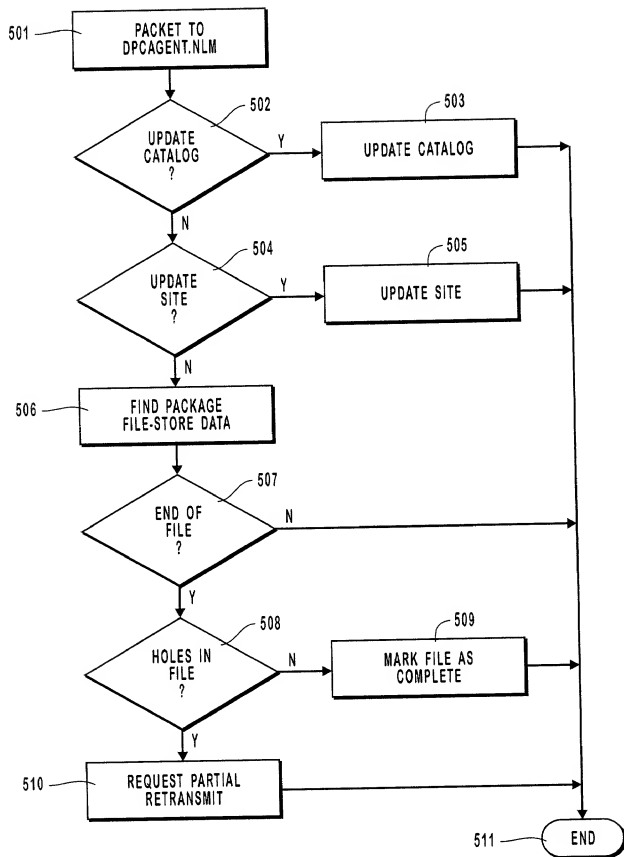


Fig. 5

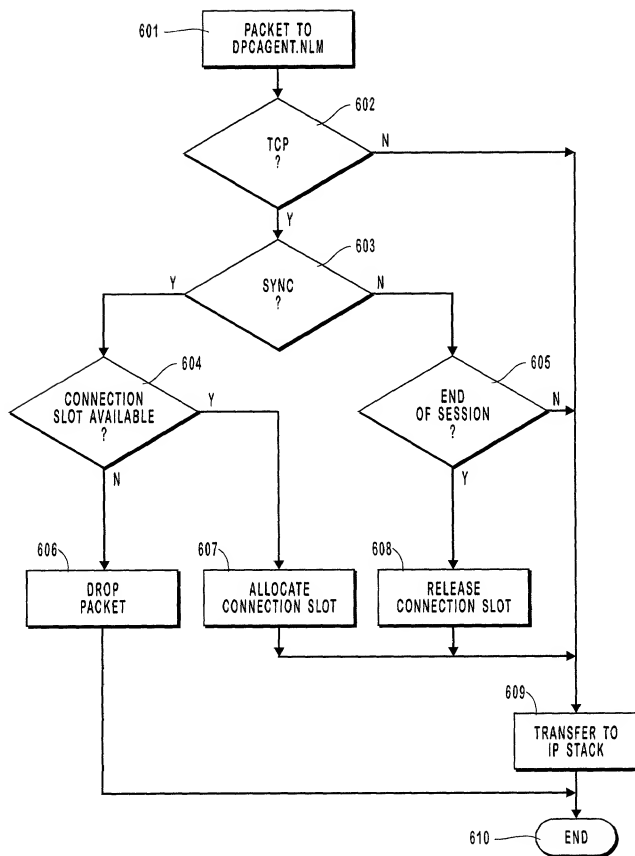


Fig. 6

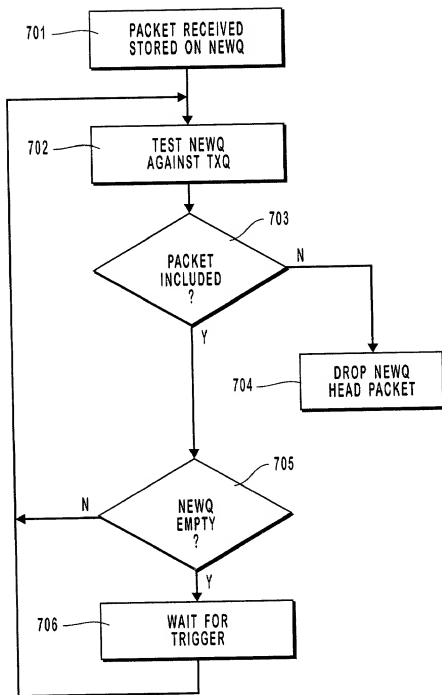


Fig. 7

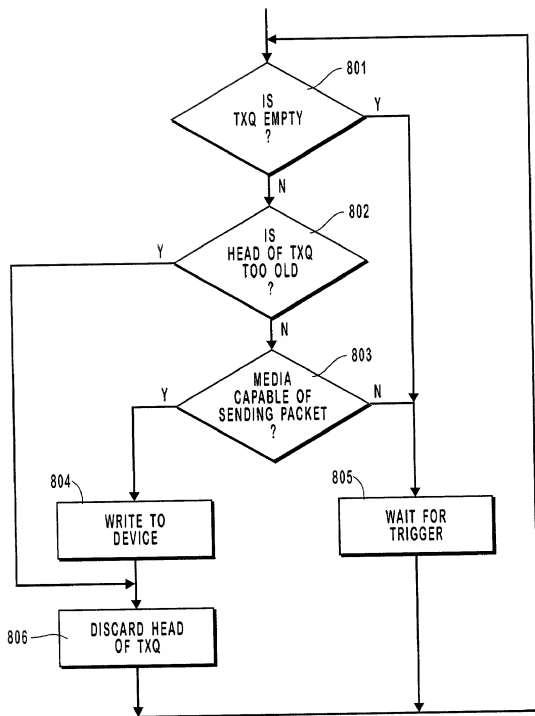
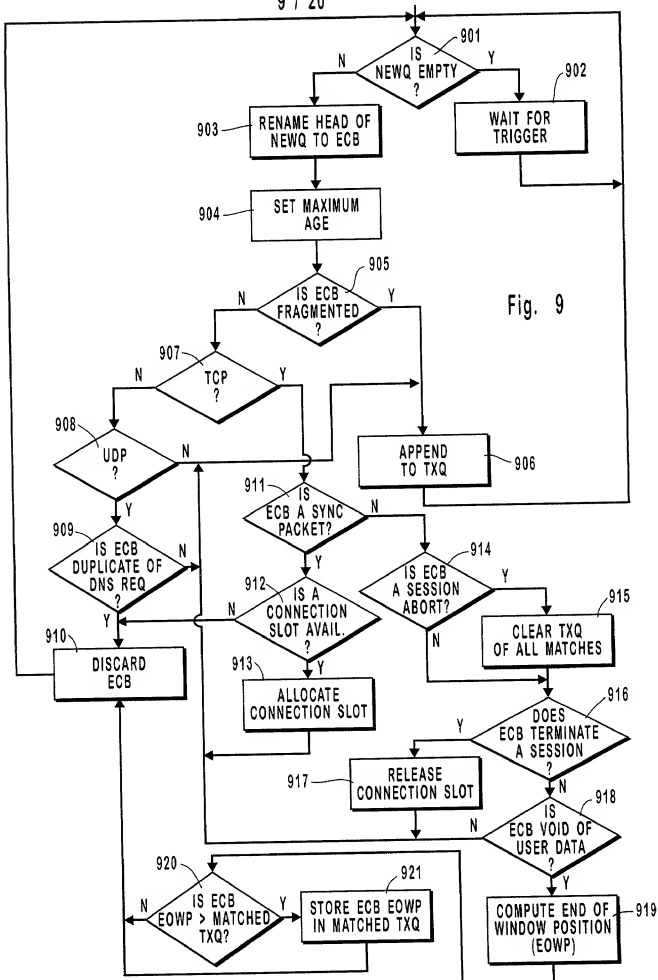


Fig. 8



DPC AGENT PROGRAM 1.50

DPCAGENT Options

- Package Delivery
- Display MLID Stats
- DPC Configuration
- Dish Pointing
- Adapter Information
- Modem Control
- Exit DPCAGENT

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10a-1

DPC AGENT PROGRAM 1.50

Digital Package Delivery

DIREPC	AVI	Marilyn Avi
DIREPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority

Status **<TAB>** Sorting **<Enter>** Details **<Ins>** Download **** Cancel

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10a-2

DPC AGENT PROGRAM 1.50

DPCAGENT Options

- Package Delivery
- Display MLID Stats
- DPC Configuration
- Dish Pointing
- Adapter Information
- Modem Control
- Exit DPCAGENT

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: marilyn avi 52% 1755510/3374352
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10b-1

DPC AGENT PROGRAM 1.50

Digital Package Delivery

DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority
CONFIRM DIRECPC	AVI	Marilyn Avi

Status **<TAB>** Sorting **<Enter>** Details **<Ins>** Download **** Cancel
 Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10b-2

DPC AGENT PROGRAM 1.50

Digital Package Delivery

DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority
NEEDED DIRECPC	AVI	Marilyn Avi

Status **<TAB>** Sorting **<Enter>** Details **<Ins>** Download **** Cancel

Modem Status: Dialing Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option **<Enter>** ☐

Fig. 10c-1

DPC AGENT PROGRAM 1.50

Digital Package Delivery

DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority
NEEDED DIRECPC	AVI	Marilyn Avi

Status **<TAB>** Sorting **<Enter>** Details **<Ins>** Download **** Cancel

Modem Status: Disconnecting from Package Delivery Tx ☐ Rx ☐ Cd ☐

Package Status: marilyn.avi ☐ 20% 688512/3374352

Select an Option **<Enter>** Users 50 Keys ☐ Signal ☐

Fig. 10c-2

DPC AGENT PROGRAM 1.50

DPC_1_EII [Dpc port=140 int=8 frame=ETHERNET_II]

Version 1.20
 Node Address: 80AE000001
 Protocols:
 ARP
 IP
 Generic statistics
 Total packets sent: 1
 Total packets received: 0
 No ECB available count: 0
 Send packet too big count: 0
 Reserved: Not Supported
 Receive packet overflow count: 0
 Receive packet too big count: 0
 Receive packet too small count: Not Supported
 Send packet miscellaneous errors: 0
 Receive packet miscellaneous errors: 0

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10d-1

DPC AGENT PROGRAM 1.50

DPC_1_EII [Dpc port=140 int=8 frame=ETHERNET_II]

Send abort from excessive deferral 0
 Receive abort from bad frame alignment 0

Custom statistics
 Signal Quality 235
 Rx Frequency 13,300
 Largest Received IP Frame 0
 Number of Receive IP Frames over 400 0
 Ave size of Receive IP frames over 400 0
 Mips Rx enable commands 0
 Mips Rx disable commands 0
 Mips frames accepted 6,962
 Mips frames rejected from no filter match 1,489,475
 Mips frames rejected from zero address 0
 Mips frames rejected from adapter disabled 0
 Mips frames rejected from low buffer pool 3,611,966

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10d-2

DPC AGENT PROGRAM 1.50

DPC Configuration

Modem Configuration

Package Delivery Configuration

Provider Configuration

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10e-1

DPC AGENT PROGRAM 1.50

Modem Configuration Editor

Packet Life(sec)	= 120
Call Setup(sec)	= 60
Aync Buffer Size	= 8192
Dial Prefix	= ATDT
Hangup Str	= ATH0
Disconnect str	= NO CARRIER
Escape Str	= +++
Connect str	= CONNECT
Init str	= AT&F1

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10e-2

DPC AGENT PROGRAM 1.50

Package Delivery Configuration Editor

Package Phone	=	1-800-825-3954
Package Baud	=	9600
Package Inactivity(sec)	=	10
Max Database Entries	=	1024

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10f-1

DPC AGENT PROGRAM 1.50

Provider Configuration Editor

Outbound Protocol =		Modem - PPP
Internet Phone	=	343-2720
Internet Baud	=	57600
Internet MTU	=	1500
Internet Inactivity(sec)	=	180
IP Address(ISP)	=	153.35.210.185
Hybrid gateway Address	=	206.71.99.5
Auto Login Enabled	=	No
Modify Auto login Script		
Modify PPP Configuration		

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10f-2

DPC AGENT PROGRAM 1.50	
Login Script Editor	
Wait1: <input type="text"/>	Wait Timeout 1= 10
Send1:	
Wait2:	Wait Timeout 2= 5
Send2:	
Wait3:	Wait Timeout 3= 5
Send3:	
Wait4:	Wait Timeout 4= 5
Send4:	
Wait5:	Wait Timeout 5= 5
Send5:	
Wait6:	Wait Timeout 6= 5
Send6:	
Wait7:	Wait Timeout 7= 5
Send7:	
Wait8:	Wait Timeout 8= 5
Send8:	
Wait9:	Wait Timeout 9= 5
Send9:	
Modem Status: IDLE Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/> Package Status: IDLE Select an Option <Enter> Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/>	

Fig. 10g-1

DPC AGENT PROGRAM 1.50	
Provider Configuration Editor	
Outbound Protocol = Modem - PPP	
PPP Configuration Editor	
Authentication User Name: Authentication Password : Maximum Receive Unit : <input type="text" value="1400"/> Async. Control Char Map: 0x0	
<input type="checkbox"/> Modify Auto Login Script <input type="checkbox"/> Modify PPP Configuration	
Modem Status: IDLE Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/> Package Status: IDLE Select an Option <Enter> Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/>	

Fig. 10g-2

DPC AGENT PROGRAM 1.50

Provider Configuration Editor

Outbound Protocol = Modem - PPP

Internet Phone =

Internet Baud =

Internet MTU =

Internet Inactivity(sec) =

IP Address(ISP) =

Hybrid gateway Address =

Auto Login Enabled = No

Modify Auto login Script

Modify PPP Configuration

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10h-1

DPC AGENT PROGRAM 1.50

Provider Configuration Editor

Outbound Protocol = LAN/WAN

Network Route Configuration Editor

Interface: 2

Router Mac Address: 00-00-0c-4a-55-f4

Auto Login Enabled = No

Modify Auto Login Script

Modify Network Configuration

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10h-2

DPC AGENT PROGRAM 1.50

Dish Pointing

Antenna Pointing Calculations
 Signal Strength Meter

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10i-1

DPC AGENT PROGRAM 1.50

Antenna Pointing Calculations

Country = USA	Region = Utah
City = Orem	Service = Hughes
	Satellite = Galaxy 4
Satellite Longitude = 99	Hemisphere = West
Satellite Polarization = Horz	Frequency = 1330
Ground Longitude degrees = 111	minutes = 42 Hemisphere=West
Ground Latitude degrees = 40	minutes = 19 Hemisphere=North
COMPUTE NOW	
Elevation = 41.608868	
True Azimuth 160.800003	
Magnetic Azimuth 147.300003	
Polarization -14.500000	

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
 Package Status: IDLE
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10i-2

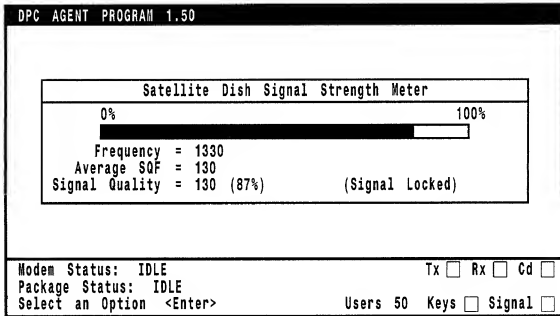


Fig. 10j-1

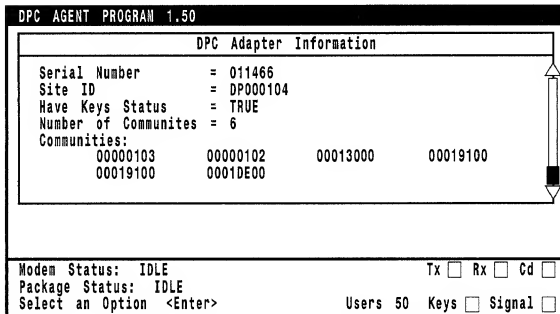


Fig. 10j-2

DPC AGENT PROGRAM 1.50

Modem Control Options	
<table border="1"><tr><td>Disconnect the Modem</td></tr></table>	Disconnect the Modem
Disconnect the Modem	
Dial the Internet	
Dial the Package Delivery	
Send to the Modem	

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐
Package Status: IDLE
Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10k